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| FORM PTO-1390 TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371 | | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE ATTORNEY'S DOCKET NUMBER 044117-0143 |
| | | U.S. APPLIC. NO. (if known, see 37 CFR 1.5) Not yet assigned 10/539771 |
| INTERNATIONAL APPLICATION NO PCT/CA/01996 | INTERNATIONAL FILING DATE December 19, 2003 | PRIORITY DATE CLAIMED December 20, 2002 |
| TITLE OF INVENTION METHOD AND SENSOR FOR DETECTING A CHEMICAL SUBSTANCE USING AN OPTICALLY ANISOTROPIC MATERIAL | | |
| APPLICANTS FOR DO/EO/US Eric PINET, Gaétan DUPLAIN | | |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: | | |
| 1. | <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371. | |
| 2. | <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. | |
| 3. | <input type="checkbox"/> This express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. | |
| 4. | <input checked="" type="checkbox"/> The US has been elected (Article 31). | |
| 5. | <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) a. <input checked="" type="checkbox"/> is attached herewith (required only if not transmitted by the International Bureau). b. <input type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US) | |
| 6. | <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). | |
| 7. | <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) a. <input type="checkbox"/> are attached hereto (required only if not transmitted by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendment has NOT expired. d. <input checked="" type="checkbox"/> have not been made and will not be made. | |
| 8. | <input type="checkbox"/> An English translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). | |
| 9. | <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). | |
| 10. | <input type="checkbox"/> An English translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). | |
| Items 11. to 16. below concern other document(s) or information included: | | |
| 11. | <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. | |
| 12. | <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. | |
| 13. | <input type="checkbox"/> A preliminary amendment. | |
| 14. | <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76. | |
| 15. | <input type="checkbox"/> A substitute specification. | |
| 16. | <input type="checkbox"/> A power of attorney and/or change of address letter. | |
| 17. | <input checked="" type="checkbox"/> Form PCT/ISA/210 | |
| 18. | <input checked="" type="checkbox"/> Front page of the published International Application | |
| 19. | <input checked="" type="checkbox"/> Form PCT/RO/101 | |
| 20. | <input checked="" type="checkbox"/> Other items or information. Forms PCT/IB/301, 304 | |

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| U.S. APPLIC. NO. (if known, see 37 CFR 1.50) Not yet assigned | | INTERNATIONAL APPLICATION NO. PCT/CA/01996 | | ATTORNEY'S DOCKET NUMBER 044117-0143 | |
| | | | | CALCULATIONS | PTO USE ONLY |
| 21. <input checked="" type="checkbox"/> The following fees are submitted: | | | | | |
| <input checked="" type="checkbox"/> Basic National Stage Fee \$300 \$300.00 | | | | | |
| 22. <input checked="" type="checkbox"/> Examination Fee If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4) \$100 All other situations \$200 \$200.00 | | | | | |
| 23. <input checked="" type="checkbox"/> Search Fee Search fee (37 CFR 1.445(1)(2)) has been paid on the international application to the USPTO as an International Searching Authority \$100 International Search Report prepared and provided to the Office \$400 All other situations \$500 \$400.00 | | | | | |
| TOTAL OF 21, 22 and 23 = | | | | \$900.00 | |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. | | | | \$ | |
| Total Sheets | Extra Sheets | Number of each additional 50 or fraction Thereof (round up to a whole number) | RATE | | |
| 96-100 | /50= | | X\$250 | \$ | |
| Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)). | | | | \$ | |
| CLAIMS | | NUMBER FILED | NUMBER EXTRA | RATE | |
| Total Claims | | 202-20 = | 182 | x \$50.00 | \$9100.00 |
| Independent Claims | | 6-3 = | 3 | x \$200.00 | \$600.00 |
| Multiple dependent claim(s) (if applicable) | | | | + \$360.00 | \$ |
| TOTAL OF ABOVE CALCULATIONS = | | | | \$10600.00 | |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2. | | | | \$ | |
| SUBTOTAL = | | | | \$ | |
| Processing fee of \$130.00 for furnishing the English translation later than the 30 months from the earliest claimed priority date (37 CFR 1.492(f)). | | | | + \$130.00 | |
| TOTAL NATIONAL FEE = | | | | | |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property | | | | + \$ | |
| TOTAL FEES ENCLOSED = | | | | \$10730.00 | |
| | | | | Amount to be refunded | \$ |
| | | | | Amount to be charged | \$10730.00 |
| a. <input type="checkbox"/> | A check in the amount of \$ _____ to cover the above fees is enclosed. | | | | |
| b. <input checked="" type="checkbox"/> | Please charge my Deposit Account No. <u>500417</u> in the amount of \$ <u>10730.00</u> to cover the above fees. A duplicate copy of this sheet is enclosed. | | | | |
| c. <input checked="" type="checkbox"/> | The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>500417</u> . A duplicate copy of this sheet is enclosed. | | | | |
| NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status. | | | | | |
| SEND ALL CORRESPONDENCE TO: Customer Number 20277 Telephone: 202.756.8000 Facsimile: 202.756.8087 | | | | | |
| SIGNATURE  Judith L. Toffenetti NAME 39,048 REGISTRATION NUMBER | | | | | |